What is claimed is:

- 1. A system for telephony call control, comprising:
- a) a call control server coupled to one of a telephone or a PBX and coupled to a wireless network, said call control server having call control capabilities and wireless network communication capabilities; and
- b)—a -hand--held -wireless device -having wireless network communication capabilities, wherein
- said call control server sends a message to said hand held wireless device when a call is received and responds to messages from said hand held wireless device for processing the call.
- 15 2. A system according to claim 1, wherein: said hand held wireless device is a personal digital assistant.
- A system according to claim 1, wherein:
 said hand held wireless device is a cell phone with computing capabilities.
- A system according to claim 1, wherein: said call control server is a computer coupled to a
 telephone having CTI capabilities.
- 5. A system according to claim 1, wherein: said call control server is a teleworking server 30 coupled to a PBX.
 - 6. A system according to claim 1, further comprising:c) a wireless network gateway/router coupled to said call control server.

- 7. A system according to claim 6, wherein: said wireless network gateway/router is a LAN wireless network gateway/router.
- 5 8. A system according to claim 6, wherein: said wireless network gateway/router is a WAN wireless network gateway/router.
 - 9. A system according to claim 7, wherein:

- said wireless network gateway/router is an IEEE 802.11b wireless network gateway/router.
 - 10. A system according to claim 7, wherein: said wireless network gateway/router is an SMDS wireless network gateway/router.
 - 11. An apparatus for use with a hand held wireless device for remote telephony call control, comprising:
- a) a call control server coupled to one of a telephone
 20 or a PBX, said call control server having call control capabilities and wireless network communication capabilities; and
 - b) a wireless network gateway/router coupled to said call control server, wherein
- said call control server sends a message to the hand held wireless device when a call is received and responds to messages from the hand held wireless device for processing the call.
- 30 12. An apparatus according to claim 11, wherein: said call control server is a computer coupled to a telephone having CTI capabilities.
- 13. An apparatus according to claim 11, wherein:35 said server is a teleworking server coupled to a PBX.



14. An apparatus according to claim 11, wherein: said wireless network gateway/router is a LAN wireless network gateway/router.

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15. An apparatus according to claim 11, wherein: said wireless network gateway/router is a WAN wireless-network-gateway/router.

10 16. An apparatus according to claim 14, wherein: said wireless network gateway/router is an IEEE 802.11b wireless network gateway/router.

- 17. An apparatus according to claim 15, wherein:
 15 said wireless network gateway/router is an SMDS
 network wireless gateway/router.
 - 18. An apparatus for use with a call control server coupled to one of a telephone or a PBX and coupled to a wireless network, comprising:

a hand held wireless device having wireless network communication capabilities, wherein

said hand held wireless device receives a message from the call control server when a call is received and responds to messages from the call control server for processing the call.

- 19. An apparatus according to claim 18, wherein:
 said hand held wireless device is a personal digital
 assistant.
 - 20. An apparatus according to claim 18, wherein: said hand held wireless device is a cell phone with computing capabilities.

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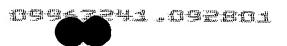
- 21. An apparatus according to claim 18, wherein: said wireless network communication capabilities are LAN wireless network communication capabilities.
- 5 22. An apparatus according to claim 18, wherein: said wireless network communication capabilities are WAN wireless network communication capabilities.
- 23. An apparatus according to claim 21, wherein:

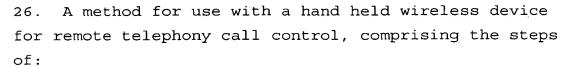
 10 said wireless network communication capabilities are

 IEEE 802.11b wireless network communication capabilities.
 - 24. An apparatus according to claim 22, wherein:
 said wireless network communication capabilities are
 SMDS wireless network communication capabilities.
 - 25. A method for telephony call control, comprising the steps of:
- a) coupling a call control server having call control
 and wireless network communication capabilities to one of a telephone or a PBX;
 - b) coupling said call control server to a wireless network; and
 - c) utilizing said call control server to:

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- 25 1) send a message to a hand held wireless device having call control capabilities and wireless network communication capabilities when a call is received; and
 - 2) respond to messages from said hand held wireless device for processing the call.





- a) coupling a call control server having call control and wireless network communication capabilities to one of a telephone or a PBX;
- 10 c) utilizing said call control server to:
 - send a message to the hand held wireless device having call control capabilities and wireless network communication capabilities when a call is received; and
- 15 2) respond to messages from said hand held wireless device for processing the call.
- 27. A method for use with a call control server coupled to one of a telephone or a PBX and coupled to a wireless network, comprising the steps of utilizing said call control server to send a message to a hand held wireless device having call control capabilities and wireless network communication capabilities when a call is received; and respond to messages from said hand held wireless device for processing the call.